

1 Claims

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3 Claim 1. An apparatus for securement of a low profile auxiliary
4 generator to large vehicles, said large vehicle having a frame,
5 said apparatus comprising an enclosure having interconnected
6 opposite vertical walls, said vertical walls forming front and
7 back walls, opposite end walls, and a top parallel to a floor, an
8 integral engine/generator set fixed in said enclosure, said
9 engine/generator set having a liquid cooled internal combustion
10 engine connected to an electrical generator by a base plate, said
11 base plate interconnected with said enclosure, said engine having
12 at least one cylinder disposed parallel to said floor for turning
13 said generator to produce electricity.

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15 Claim 2. An apparatus according to claim 1 wherein said
16 engine/generator set is connected to a plurality of isolation
17 mounts to reduce vibration, said isolation mounts located between
18 said engine/generator set and said floor.

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20 Claim 3. An apparatus according to claim 1 wherein said floor
21 and said base plate are a one piece construction connected with
22 said end walls.

1 Claim 4. An apparatus according to claim 1 wherein said floor
2 has an integral step extending beyond said side walls.

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4 Claim 5. An apparatus according to claim 3 wherein said floor
5 has an integral step extending beyond said end walls.

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7 Claim 6. An apparatus according to claim 1 wherein said
8 enclosure includes a hinge pivotally connecting adjacent
9 interconnected vertical walls to provide access to said
10 enclosure.

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12 Claim 7. An apparatus according to claim 2 wherein said
13 enclosure includes a hinge pivotally connecting adjacent
14 interconnected vertical walls to provide access to said
15 enclosure.

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17 Claim 8. An apparatus according to claim 3 wherein said enclosure
18 includes a hinge pivotally connecting adjacent interconnected
19 vertical walls to provide access to said enclosure.

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21 Claim 9. An apparatus according to claim 4 wherein said enclosure
22 includes a hinge pivotally connecting adjacent interconnected

1 vertical walls to provide access to said enclosure.

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3 Claim 10. An apparatus according to claim 1 wherein said liquid
4 cooled engine has a remotely mounted radiator and associated fan.

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6 Claim 11. An apparatus according to claim 1 wherein one of said
7 interconnected vertical walls is removably attached to adjacent
8 interconnected vertical walls.

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10 Claim 12. An apparatus according to claim 1 wherein an air
11 conditioner compressor is operatively connected to said engine,
12 said compressor located within said enclosure.

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14 Claim 13. An apparatus for securement of a low profile auxiliary
15 generator to large vehicles having a frame, said apparatus
16 functioning as an auxiliary engine/generator set enclosure when
17 mounted on said frame, said enclosure comprising opposite
18 interconnected vertical walls, said vertical walls forming front
19 and back walls, opposite end walls, and a top parallel to the
20 floor, said enclosure having a floor parallel to said frame
21 removably connected to said end walls, said engine/generator set
22 fixed on said floor, said engine having at least one cylinder

1 disposed parallel to said floor for turning said generator to
2 produce electricity.

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4 Claim 14. An apparatus according to claim 13 wherein said set is
5 connected to isolation mounts to reduce vibration, said isolation
6 mounts fixed to said floor.

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8 Claim 15. An apparatus according to claim 13 wherein a hinge
9 couples to said opposite vertical end walls along said vertical
10 side wall and said top whereby operation of said hinge provides
11 access to said enclosure.

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13 Claim 16. An apparatus according to claim 13 wherein said
14 auxiliary engine/generator set includes an air conditioner
15 compressor operatively connected thereto and located within said
16 enclosure.